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Surface modification of resin tube - by irradiating laser or UV with photon energy, to area contacting material contg element e.g. of silicon, titanium, barium

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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JP 7179636	A	19950718	JP 93328960	A	19931224	199537 B
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Priority Applications (No Type Date): JP 93328960 A 19931224

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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JP 7179636	A	6	C08J-007/18	
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Abstract (Basic): JP 7179636 A

Modification of inner wall of tube made of polymers contg. F in the side chains comprises irradiating laser or UV ray with photon energy of not less than 128 kcal to the area contacting with material contg., at least, an element chosen from Si, Ti, H, Li, Ga, Ba, Al, or B. The polymers contg. H in the side chains are opt. modified by irradiating laser or UV ray with photon energy of not less than 80 kcal, contacting with material contg., at least, an element chosen from B, P, S, Pt, Br, O, Cl, H, or F.

USE - Tubes or pipes modified inner surface.

ADVANTAGE - Irradiation of active ray modifies inner surface of tube, improving wettability or adhesion or other materials.

Dwg.0/7

Derwent Class: A35; A88

International Patent Class (Main): C08J-007/18